



RJ Lee Group, Inc. | Columbia Basin Analytical Laboratories

2710 North 20th Avenue, Pasco WA 99301

Tel: (509) 545-4989 | Fax: (509) 544-6010

CH2M Hill Plateau Remediation Company - C01282F
825 Jadwin Avenue
Richland, WA 99352

12/09/20
Contract: 74392

Subject: Chemical Analysis Report, SDG Number: RJLG20C0193

Columbia Basin Analytical Laboratories received 1 sample(s) on 12/03/20 for analysis. These sample(s) have been assigned a login order number of W012048, SDG number RJLG20C0193. Enclosed is the final report that consists of a summary report of the sample(s), and a copy of the chain of custody. If provided by customer on COC, sample volume is recorded on the laboratory report and has been used to calculate final results.

General Lab Comments

The results provided in this report relate only to the items tested. Sample(s) were received in acceptable conditions unless otherwise noted in the comments above. Sample(s) have not been field blank corrected unless otherwise noted in the general set comments above. Results included in the report apply to the sample as it was received. Information provided by customer can affect validity of results. The sample(s) were prepared and analyzed in compliance with EPA 7196. This test report shall not be reproduced, except in full, without written approval of Columbia Basin Analytical Laboratories. Any questions, please contact our office.

We certify that this data package is in compliance with the SOW, both technically and for completeness, including a full description of, explanation of, and corrective actions for, any and all data deviations, from either the analyses requested or the case narrative requested. Release of the data contained in this data package has been authorized by the Laboratory Director or a designee and the laboratory's client service representative as verified by their signatures on this report. This report has been technically reviewed by the following individual:

A handwritten signature in black ink, appearing to read 'Dennese Smith'.

12/08/20

Scientist II Dennese Smith

If you have any questions please feel free to contact Dennese Smith at dennese.smith@rjleegroup.com or 509-545-4989.

This report has been administratively reviewed and approved by the following individual:

A handwritten signature in black ink, appearing to read 'JJ Furlong'.

12/09/20

Project Manager JJ Furlong

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Report Template: Environmental.rpt

Approved: 12/8/20 16:09
Report Time Stamp: 12/09/20 19:42

RJLG20C0193

Dec. 9, 2020

Rev 0



Heather Medley
CH2M Hill Plateau Remediation
Company - C01282F
825 Jadwin Avenue
Richland, WA 99352
Client Project: Hex Chrome

Laboratory Report

RJ Lee Group No.: W012048
SDG No: RJLG20C0193
Samples Received: 12/03/20 14:45
Analysis/Prep Date: 12/03/20 16:56
Report Date: 12/09/20 19:42

Sample Name: B3VKW1 **Date Sampled:** 12/03/20 13:14
RJ Lee Grp. ID: W012048-01 **Matrix:** Water **Date Analyzed:** 12/03/20 16:56

Analyte	Method	Result µg/L	PQL µg/L	MDL µg/L	Dilution Factors	Qualifiers
Hexavalent Chromium	EPA 7196	<2.50	5.00	2.50	1	U

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Remediation Company -
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Quality Control

Water

RJ Lee Group No.: W012048
SDG No.: RJLG20C0193
Samples Received: 12/03/20 14:45
Analysis/Prep Date: 12/03/20 16:53
Report Date: 12/09/20 19:42

Analyte	CAS NO.	QC Sample ID	Expected µg/L	Result µg/L	MDL µg/L	PQL µg/L	RPD	% REC	Recovery Limits	Qualifier & Comments
Hexavalent Chromium	18540-29-9	LRB	<2.50	<2.50	2.50	5.00				U
Hexavalent Chromium	18540-29-9	LCS	125.00	135.40	2.50	5.00		108	80 - 120	
Hexavalent Chromium	18540-29-9	MS	69.00	63.04	2.50	5.00		88.2	75 - 125	W012047-01
Hexavalent Chromium	18540-29-9	MSD	69.00	63.52	2.50	5.00	0.76	89.1	75 - 125	W012047-01

Report Qualifiers:

> = Result greater than quantifiable range or greater than upper limit of the analysis range

B = Inorganics and Wetchem: The analyte was detected at a value <RDL, but ≥ IDL/MDL (as appropriate)

Organics: The analyte was detected in both the associated QC blank and in the sample, and the blank concentration exceeded the customer's contractual requirements

C = The analyte was detected in both the sample and the associated QC blank, and the sample concentration was ≤ 5X the blank concentration

D = Analyte was reported at a secondary dilution factor

J = Organics: Estimated value; (1) constituent detected at a level <RDL or PQL and ≥ MDL and estimated concentrations of TICs

o = All: The associated LCS recovery is outside control limits

N = Spike and/or spike duplicate sample recovery is outside control limits

U = Analyzed for but not detected above limiting criteria

X or Y or Z = The result-specific translation of this qualifier code is provided in the hardcopy data report and/or case narrative.

Additional result-specific translation information may also be found in the RESULT_COMMENT field for this record.


Scientist II Dennese Smith

These results are submitted pursuant to RJ Lee Group's current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, RJ Lee Group will store the samples for a period of ninety (90) days before discarding. A shipping and handling fee will be assessed for the return of any samples. Unless otherwise noted, samples were received in an acceptable condition. This laboratory operates in accordance with ISO 17025 guidelines, and holds limited scopes of accreditation under ORELAP Lab Code 4061 AIHA-LAP, LLC Lab ID 178656 EPA ID WA01195 and WA DOE Lab ID C859. This report may not be used to claim product endorsement by any laboratory accrediting agency. The results contained in this report relate only to the items tested or to the sample(s) as received by the laboratory. Any reproduction of this document must be in full for the report to be valid. Quality control data is available upon request.

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CH2M Hill Plateau Remediation Company			CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F20-016-153	PAGE 1 OF 1
COLLECTOR	Larry Roseane /CHPRC	COMPANY CONTACT	SUNNER, LC	TELEPHONE NO.	376-3922	PROJECT COORDINATOR	SUNNER, LC
SAMPLING LOCATION	DD#0 1-009	PROJECT DESIGNATION	200-ZP-1 Extraction Wells Sampling and Analysis - Water	SAF NO.	F20-016	REQUIRED TAT	30 Days
ICE CHEST NO.	9	FIELD LOGBOOK NO.	HNF-N-645 9-41	ACTUAL SAMPLE DEPTH	500.9	METHOD OF SHIPMENT	ORIGINAL
N/A		OFFSITE PROPERTY NO.	N/A	BILL OF LADING/AIR BILL NO.	N/A	GOVERNMENT VEHICLE	
SHIPPED TO	RJ Lee Group, Inc./Center for Laboratory Sciences						
MATRIX*	A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	PRESERVATION	Cool <=6C				
POSSIBLE SAMPLE HAZARDS/REMARKS	*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/1A1A Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	HOLDING TIME	24 Hours				
		TYPE OF CONTAINER	ag				
		NO. OF CONTAINER(S)	1				
		VOLUME	60mL				
SPECIAL HANDLING AND/OR STORAGE	N/A	SAMPLE ANALYSIS	7196 CR6; COMMON;				
SAMPLE NO.	000000	FILTERED	Yes	MATRIX*		SAMPLE DATE	DEC 03 2020
B3VW1		WATER				SAMPLE TIME	1314
							✓

[illegible]

RJLG20C0193

WORK ORDER
Dec. 9, 2020Printed: 12/8/2020 4:47:04PM
Rev 0

W012048

RJ Lee Group Inc

Client: CH2M Hill Plateau Remediation Company - C01282F

Project: Hex Chrome

COC #: F20-016

PO #: 302938

Project Manager: Krystin Gilman

Project Number: 74392

SDG Number: RJLG20C0193

Report To:

CH2M Hill Plateau Remediation Company - C01282F

Heather Medley

825 Jadwin Avenue

Richland, WA 99352

Phone: (509) 373-6909

Fax:

Invoice To:

CH2M Hill Plateau Remediation Company - C01282F

Sample Management

825 Jadwin Avenue

Richland, WA 99352

Phone: (509) 376-6427

Fax:

Date Due: 12/31/2020 (18 day TAT)

Received By: Lynn Porter

Date Received: 12/03/20 14:45

Logged In By: Lynn Porter

Date Logged In: 12/03/20 15:18

Samples Received at: 3.4°C

Custody Seals Yes

Containers Intact Yes

COC/Labels Agree Yes

Preservation Confirmed Yes

Received On Ice Yes

RJLG ID	Sample Name	Analysis	Matrix	Date Sampled	TAT	Date Due
W012048-01	B3VKW1	Hexavalent Chromium by EPA 7196A	Non-Potable Water	12/03/20 13:41	18	12/31/2020
	F20-016-153					